



EPODOC

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Heat-pump installation

In a heat-pump installation, two compressors (2, 3) with capacities of different size, and furthermore a condenser (4) which is in heat exchange with a heating circuit which has a forward run (5) and a return run (6) are provided. The smaller compressor (3) can be connected to an intermediate heat exchanger (10), the heat removal side of which can be connected to a water heater and is connected to the return run (6) via a closable line (12) as well as an open line (13). The line (12) in front of and the line (13) behind a throttle valve (14) is connected to the return run (6). The throttle valve (14) and a valve (16) in the line (12) are connected to a flow monitor (17) in such a manner that, in the case of demand for hot water, the valve (16) is closed and the throttle valve is opened and, in other operation, the valve (16) is opened and the throttle valve (14) is closed.

&lt;IMAGE&gt;

PN - DE3126325 A 19830120  
 AP - DE19813126325 19810703  
 PR - DE19813126325 19810703  
 PA - KULMBACHER KLIMAGERAEETE (DE)  
 IN - NOYA MIKHAIL ING GRAD (DE)  
 EC - F24H4/02 ; F25B30/02 ; F25B49/02  
 DT - \*

===== WPI =====

TI - Heat pump system with two compressors - has smaller compressor connected via three-way valve to heat exchanger

AB - DE3126325 The heat-pump system incorporates a circuit (1) for a refrigerating medium containing two compressors (2,3) connected in parallel, and which can be cut in and out together or independently, also a condenser (4) exchanging heat with the feed (5) and return (6) of a heating circuit, and expander (7) and evaporator (8). The compressors are of different outputs, a three-way valve allowing connection of the smaller one (3) to an intermediate heat-exchanger (10), the heat output side of which can be connected to a water-heater, and is also connected, via a first pipe (12) which can be shut off and a second one (13) open at all times, to the heating circuit return (6).

- The second pipe is connected to the latter before and the first one after a throttle valve (14). The actuating mechanism for this valve and that for the valve (16) shutting off the first pipe are connected to a flow monitor (17) in the pipe (11) to the water heater, so that when hot water is required the valve (16) is shut and the throttle valve opened. Otherwise the converse applies. (1/1)

PN - DE3126325 A 19830120 DW198304 009pp  
 PR - DE19813126325 19810703  
 PA - (KKWK-N) KKW KULMBACHER KLIMGERATE GMBH  
 IN - NOYA M  
 DC - Q74  
 IC - F24J3/04  
 AN - 1983-B0771K [04]

**INVESTOR IN PEOPLE**